



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 2314

|                             |                                       |              |                        |                                     |
|-----------------------------|---------------------------------------|--------------|------------------------|-------------------------------------|
| SERIAL NUMBER<br>10/043,597 | FILING DATE<br>01/09/2002<br><br>RULE | CLASS<br>360 | GROUP ART UNIT<br>2651 | ATTORNEY DOCKET NO.<br>Q02-1001-US1 |
|-----------------------------|---------------------------------------|--------------|------------------------|-------------------------------------|

APPLICANTS

Dan Gunderson, Westminster, CO;  
 Doug Gunther, Westminster, CO;

\*\* CONTINUING DATA ..... *None* *AA*

\*\* FOREIGN APPLICATIONS ..... *None* *AA*

IF REQUIRED, FOREIGN FILING LICENSE GRANTED  
 \*\* 02/13/2002

|  |                        |                        |                       |                            |
|--|------------------------|------------------------|-----------------------|----------------------------|
| Foreign Priority claimed<br><input type="checkbox"/> yes <input checked="" type="checkbox"/> no  | STATE OR COUNTRY<br>CO | SHEETS<br>DRAWING<br>4 | TOTAL<br>CLAIMS<br>36 | INDEPENDENT<br>CLAIMS<br>3 |
| 35 USC 119 (a-d) conditions met<br><input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance |                        |                        |                       |                            |
| Verified and Acknowledged<br>Examiner's Signature _____ Initials <i>AA</i>   |                        |                        |                       |                            |

ADDRESS  
 ROBERT A SALTZBERG  
 MORRISON AN FOERSTER LLP  
 425 MARKET STREET  
 SAN FRANCISCO, CA  
 94105

TITLE  
 Enhanced read margining using dither enhanced write marginalization for mass data storage applications

|                                    |   |   |
|------------------------------------|---|---|
| FILING FEE<br><br>RECEIVED<br>1158 | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: | <input type="checkbox"/> All Fees<br><input type="checkbox"/> 1.16 Fees ( Filing )<br><input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )<br><input type="checkbox"/> 1.18 Fees ( Issue )<br><input type="checkbox"/> Other _____<br><input type="checkbox"/> Credit |
|------------------------------------|---|---|